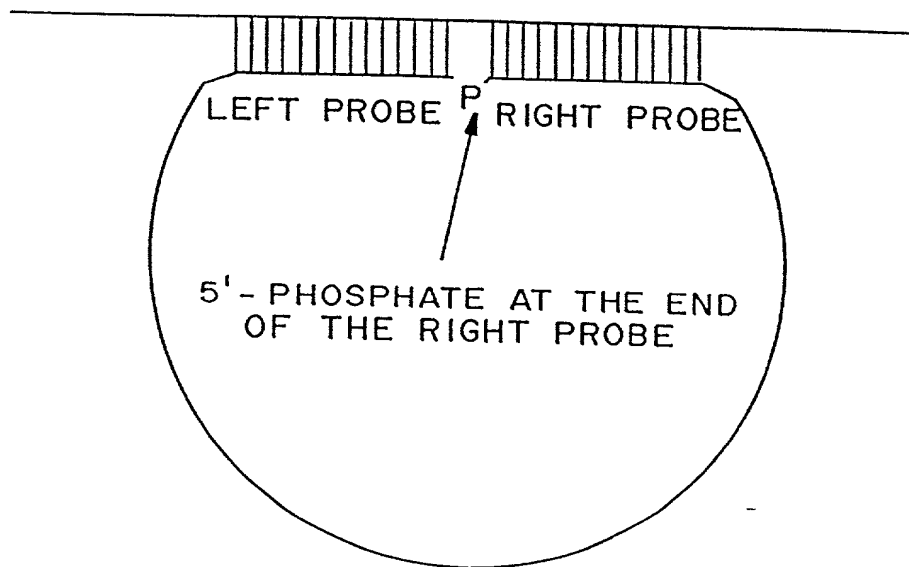


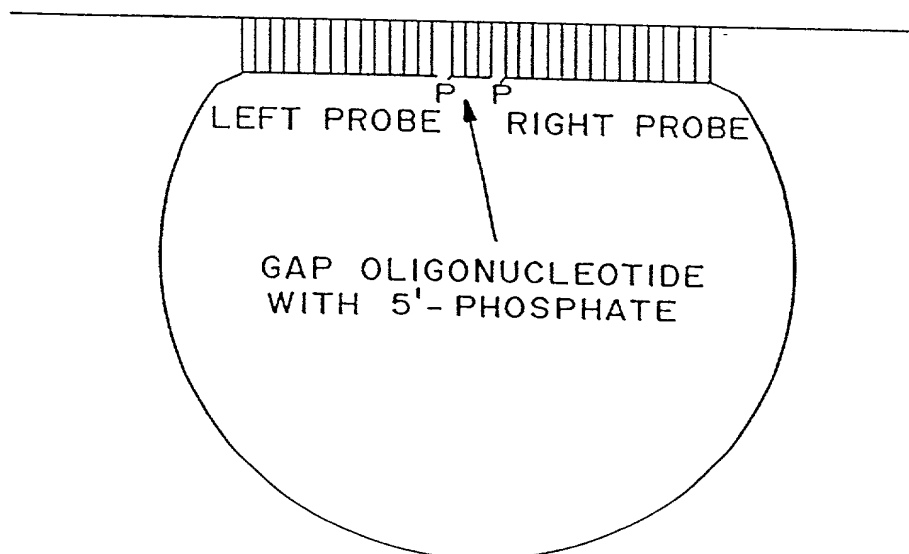
SINGLE-STRANDED TARGET



OPEN CIRCLE PROBE

FIG. 1

SINGLE-STRANDED TARGET



OPEN CIRCLE PROBE

FIG. 2

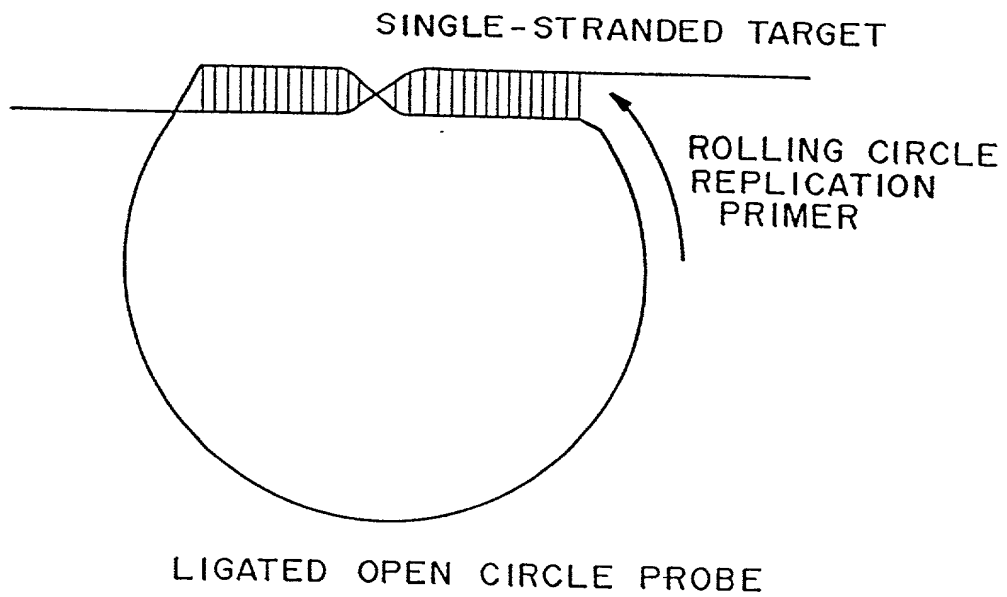


FIG. 3

# ROLLING CIRCLE AMPLIFICATION

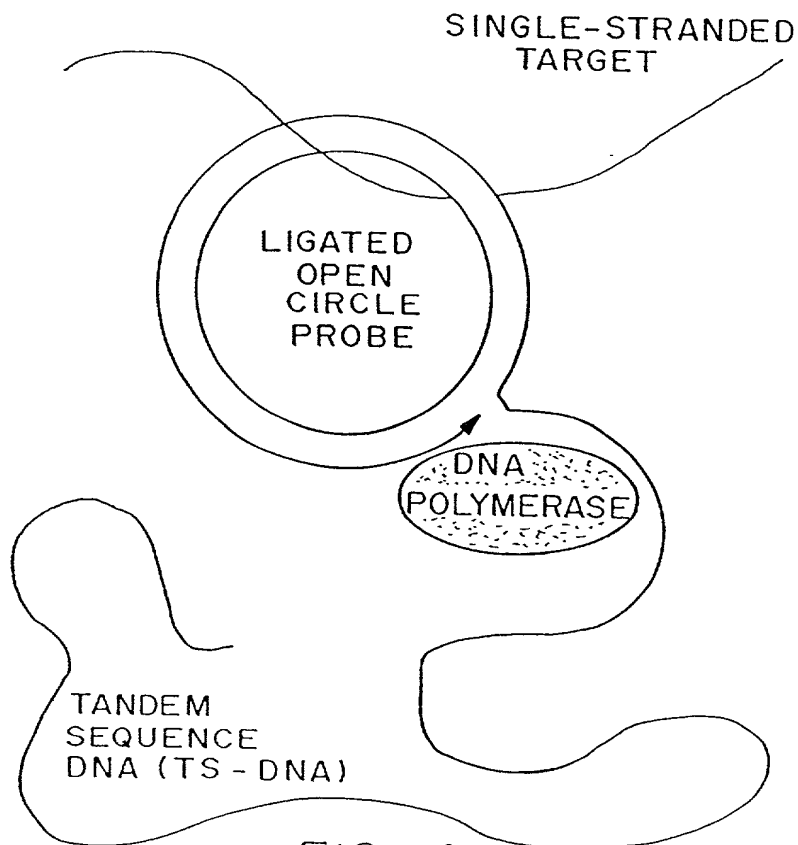
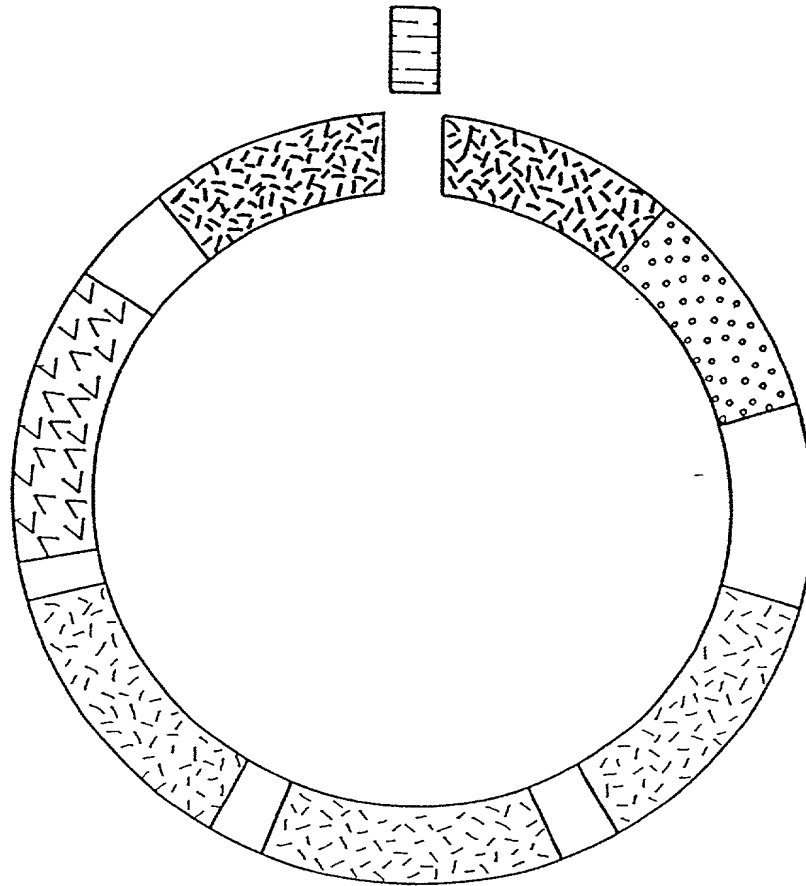
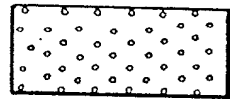


FIG. 4

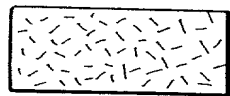
OPEN CIRCLE PROBE

= TARGET PROBE (LEFT AND RIGHT  
TARGET PROBES)

= PROMOTER



= PRIMER COMPLEMENT

= DETECTION TAGS (OR SECONDARY  
TARGETS)

= GAP OLIGONUCLEOTIDE

FIG. 5

ADDRESS PROBE HYBRIDIZING TO TS-DNA PORTION  
BRIDGING GAP OLIGONUCLEOTIDE AND TARGET PROBE ENDS

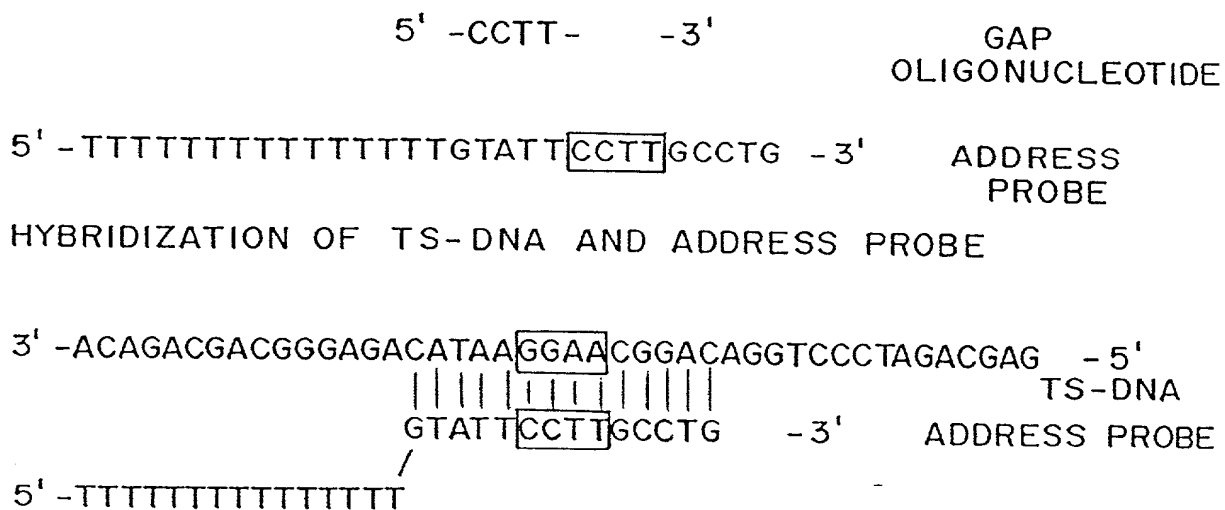


FIG. 6

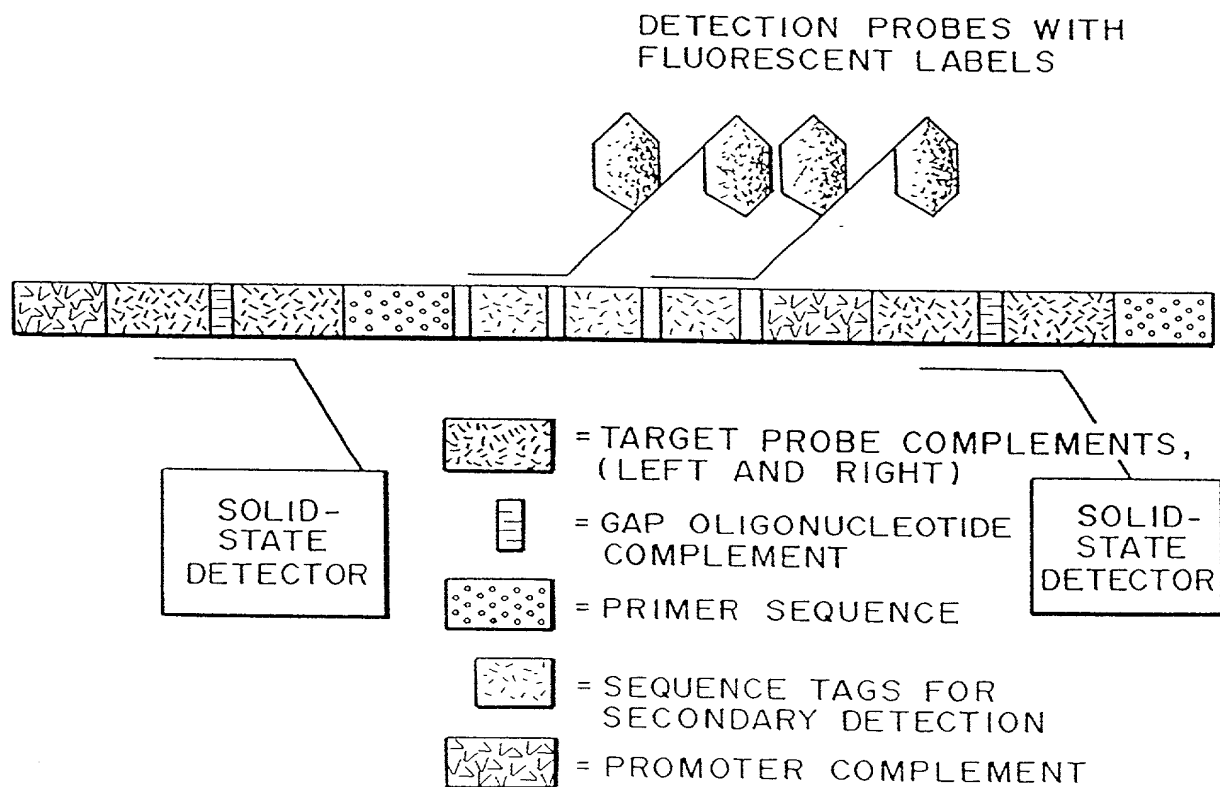


FIG. 7

# LM-RCA FOLLOWED BY TRANSCRIPTION

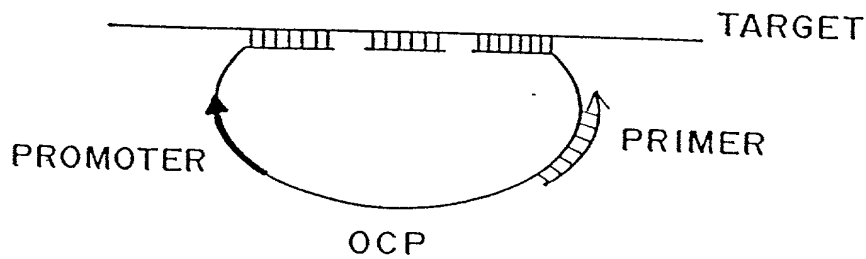
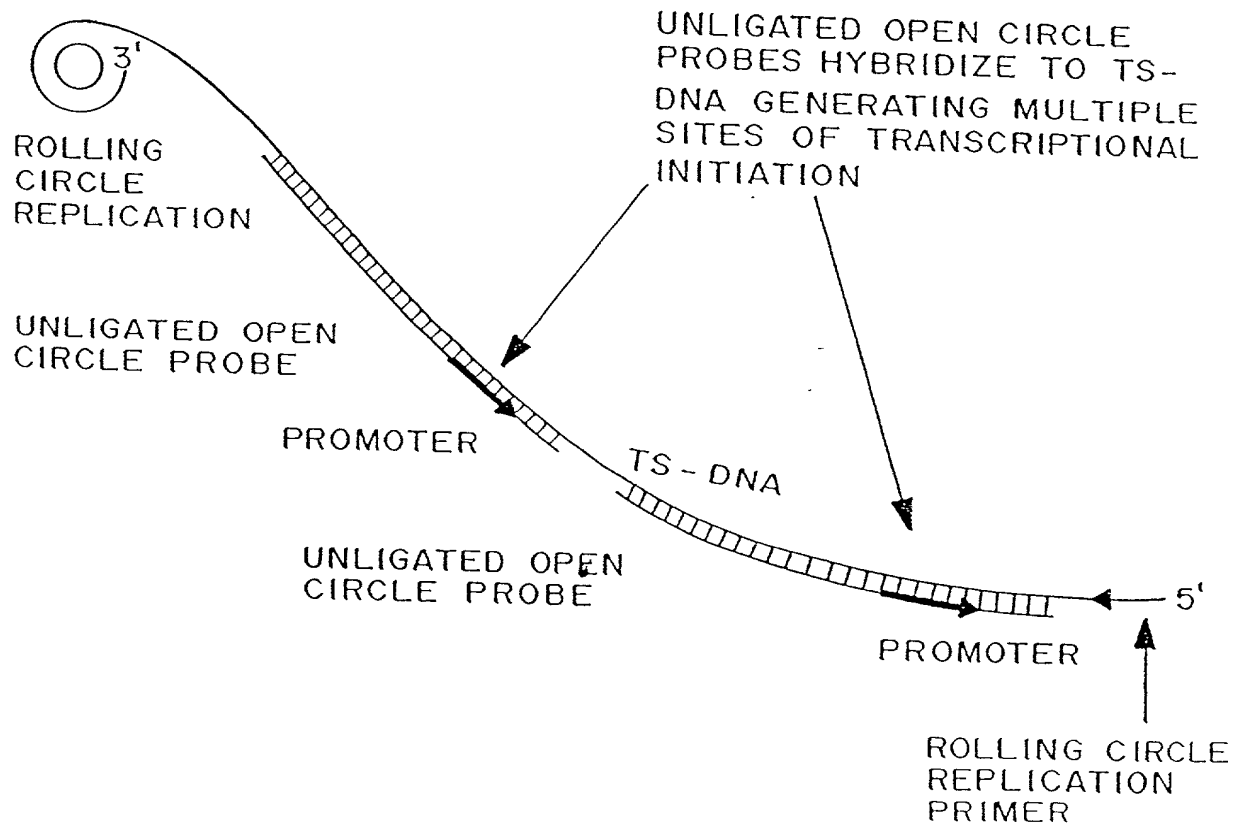
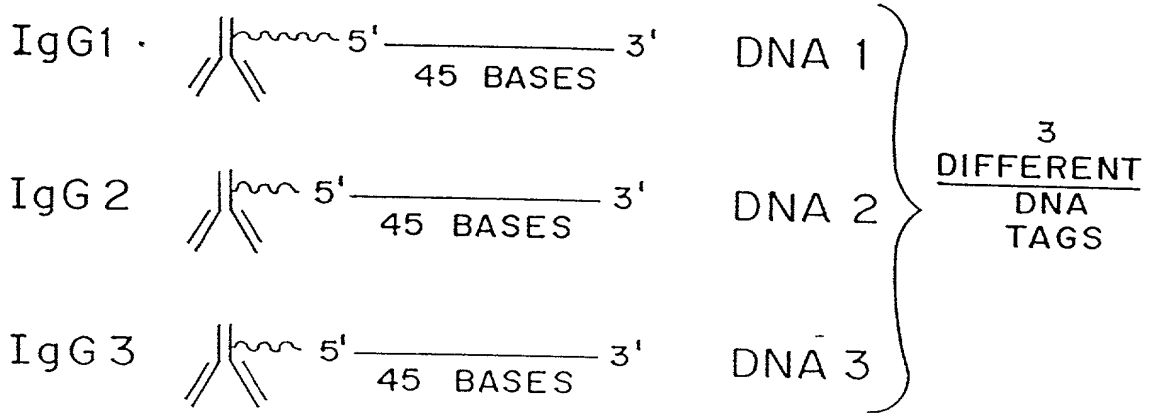


FIG. 8



## REPORTER ANTIBODIES



### ASSAY

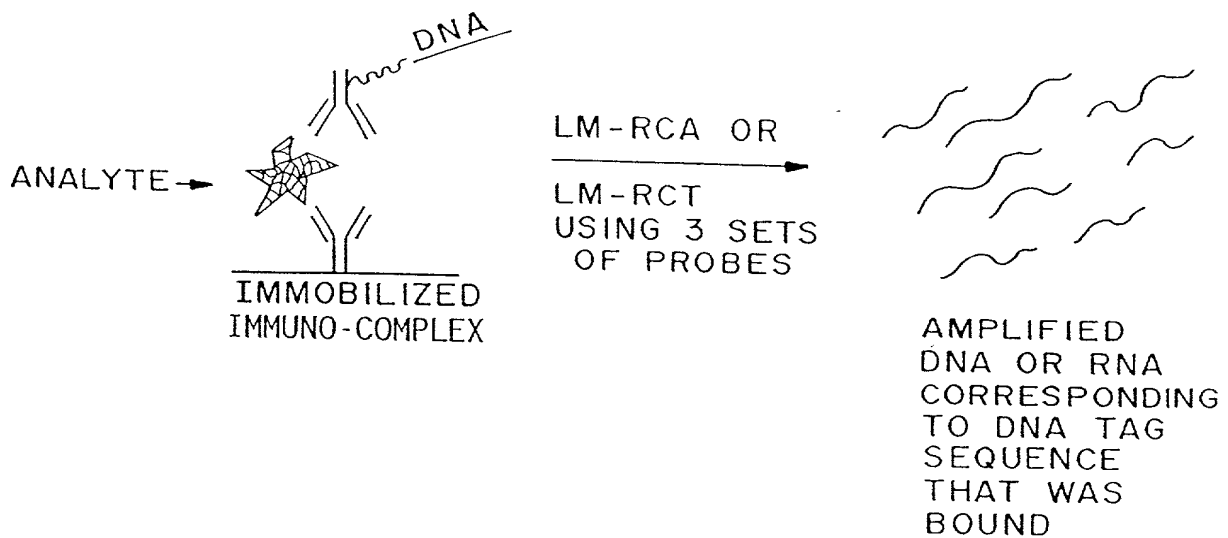
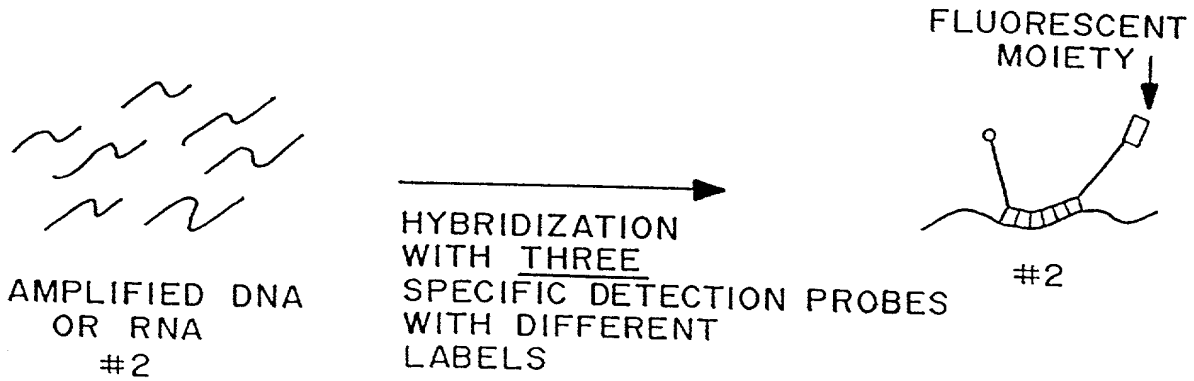


FIG. 9

FIG. 10

DETECTION EXAMPLE



DETECTION EXAMPLE

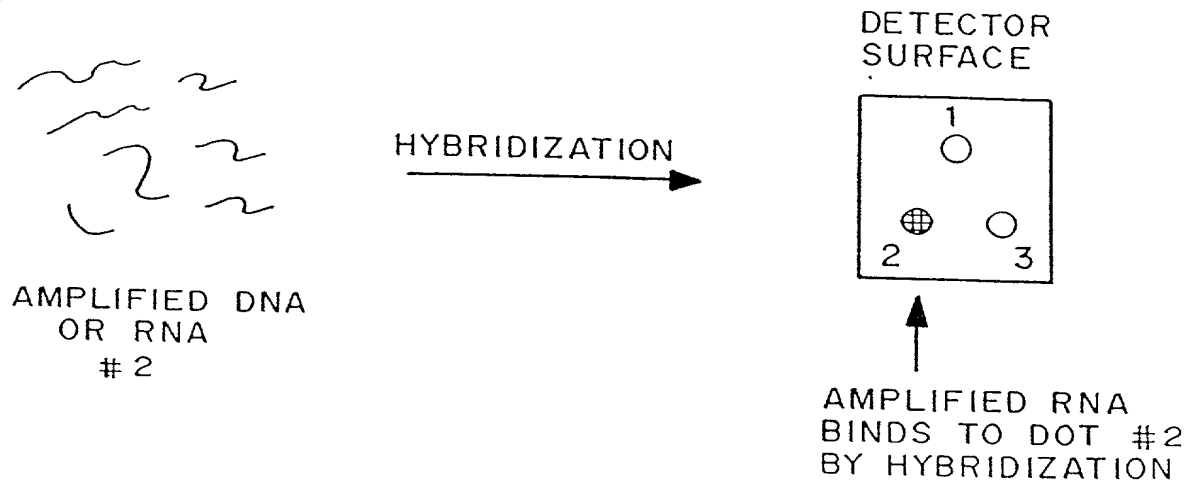
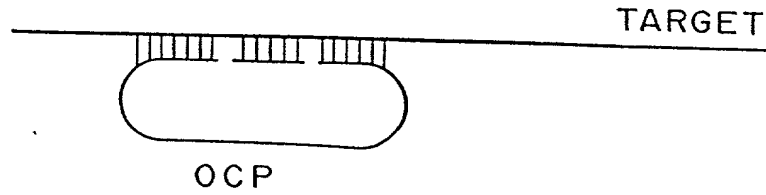


FIG. 11a

LIGATION



ROLLING CIRCLE REPLICATION

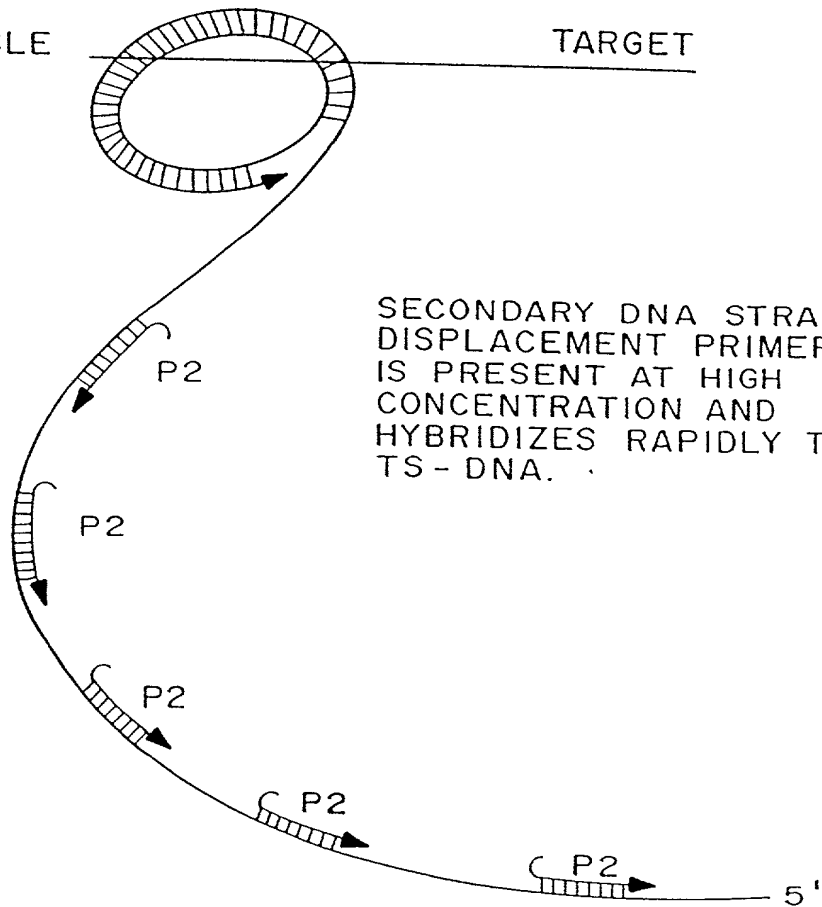




FIG. 11b

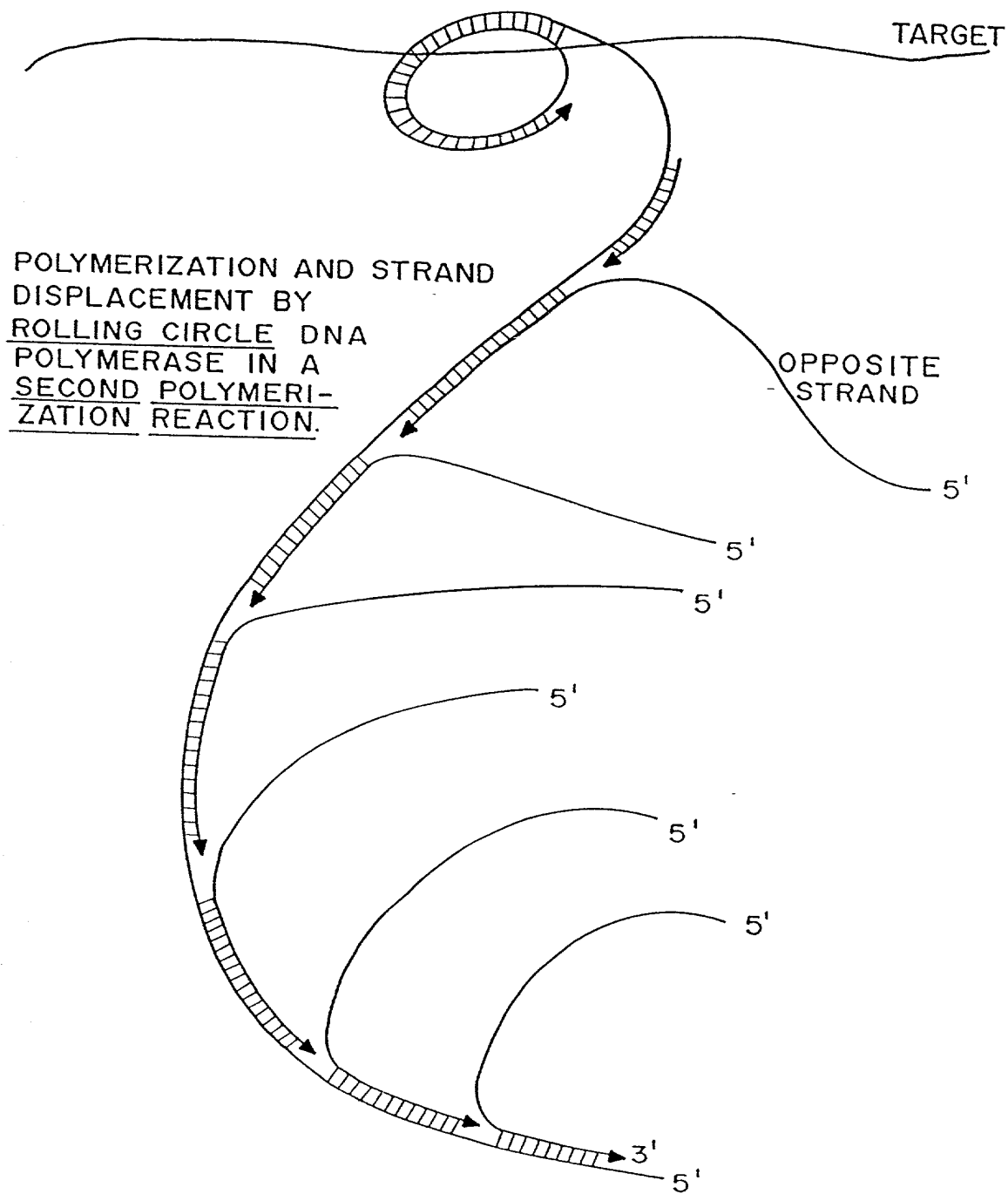
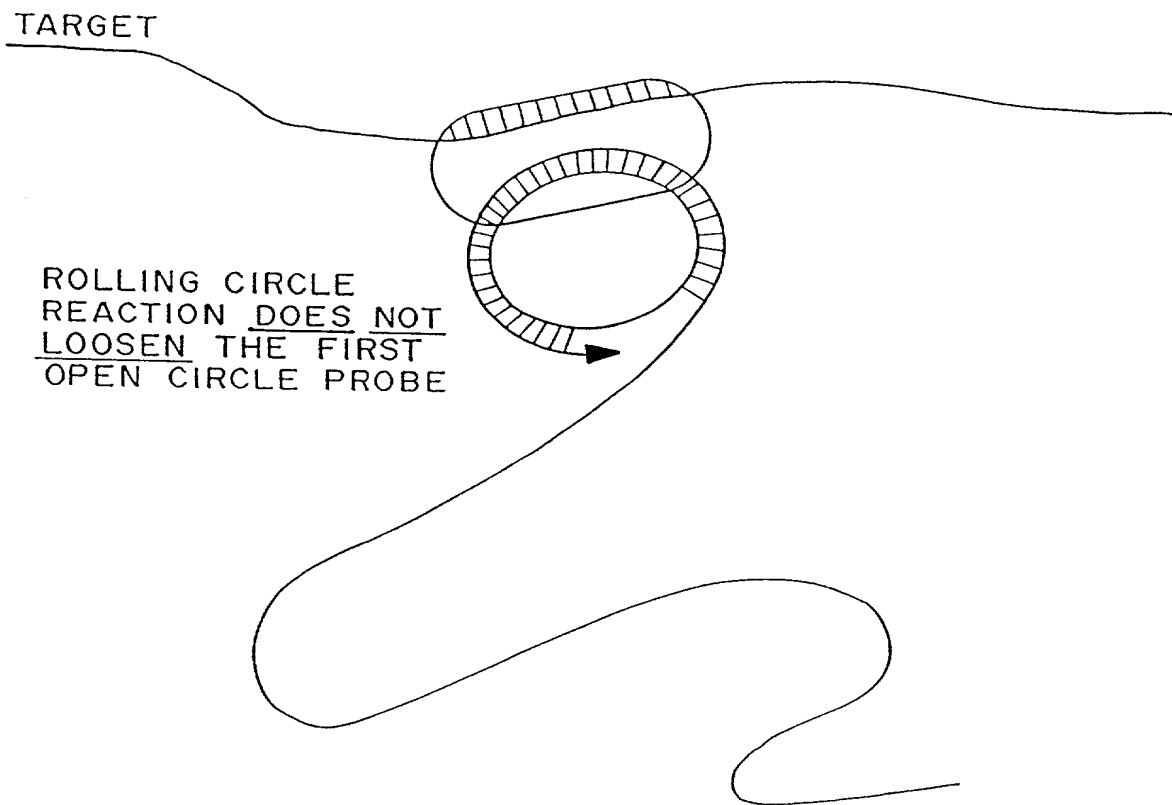
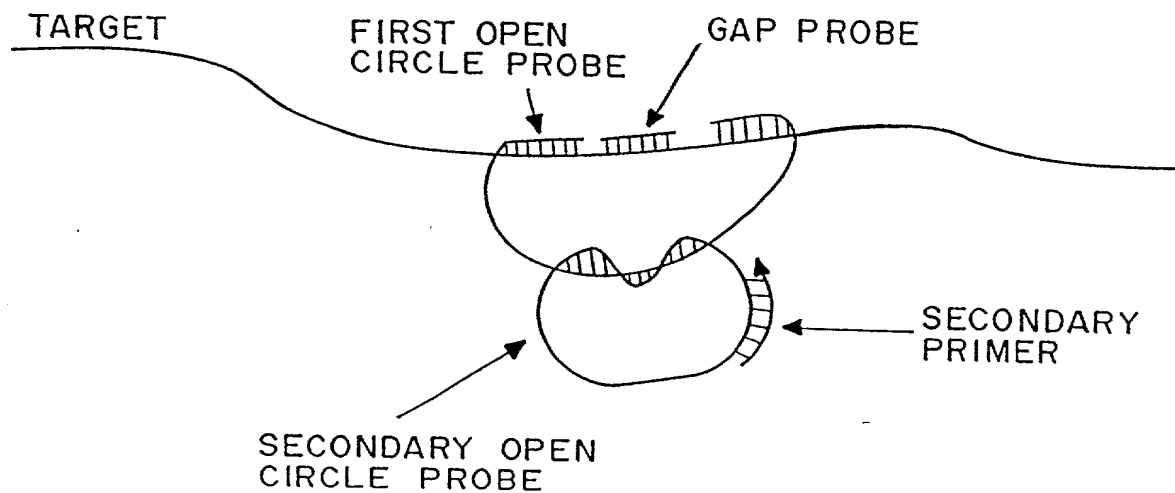
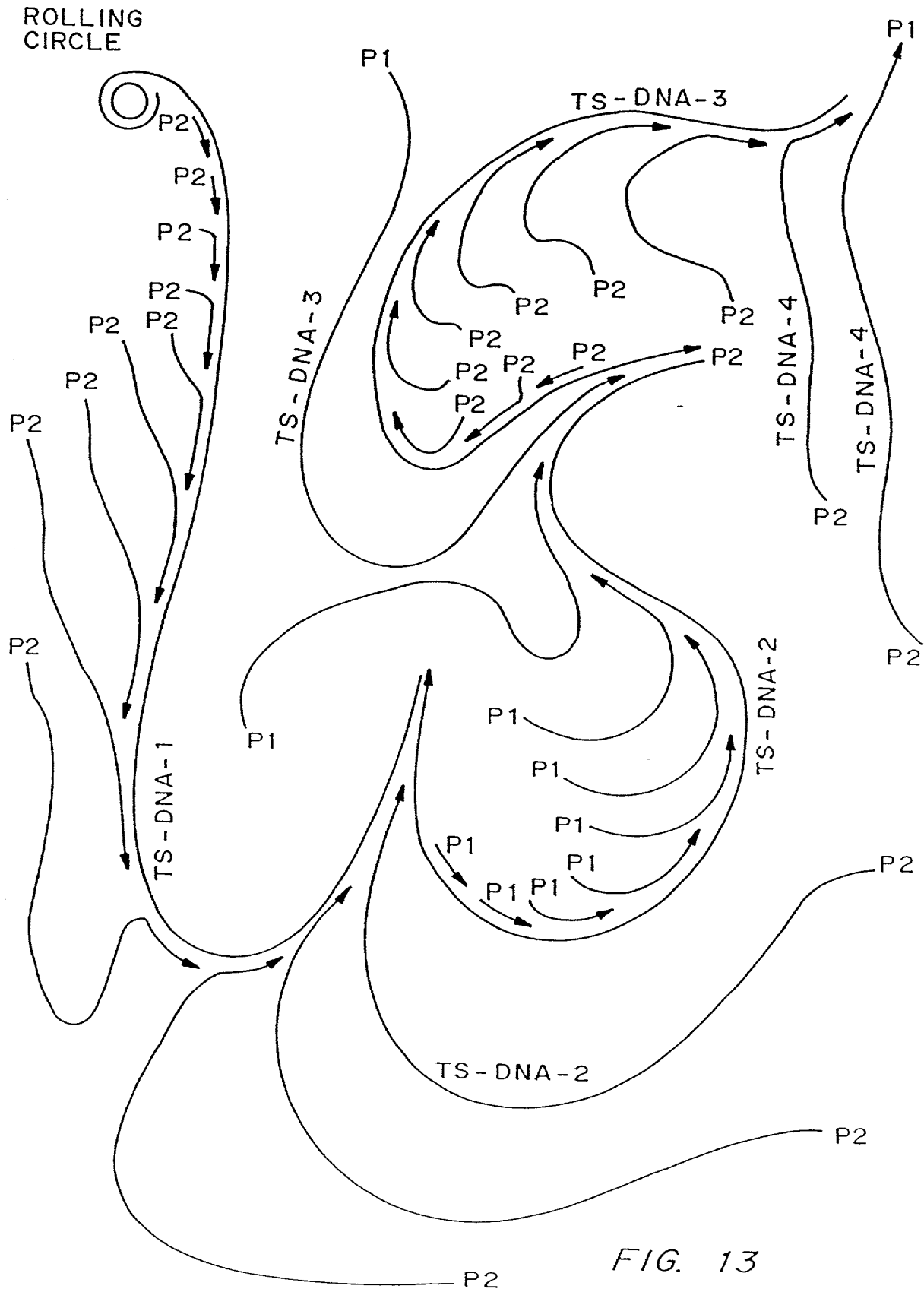


FIG. 12



## STRAND DISPLACEMENT CASCADE REACTION



# OPPOSITE STRAND AMPLIFICATION

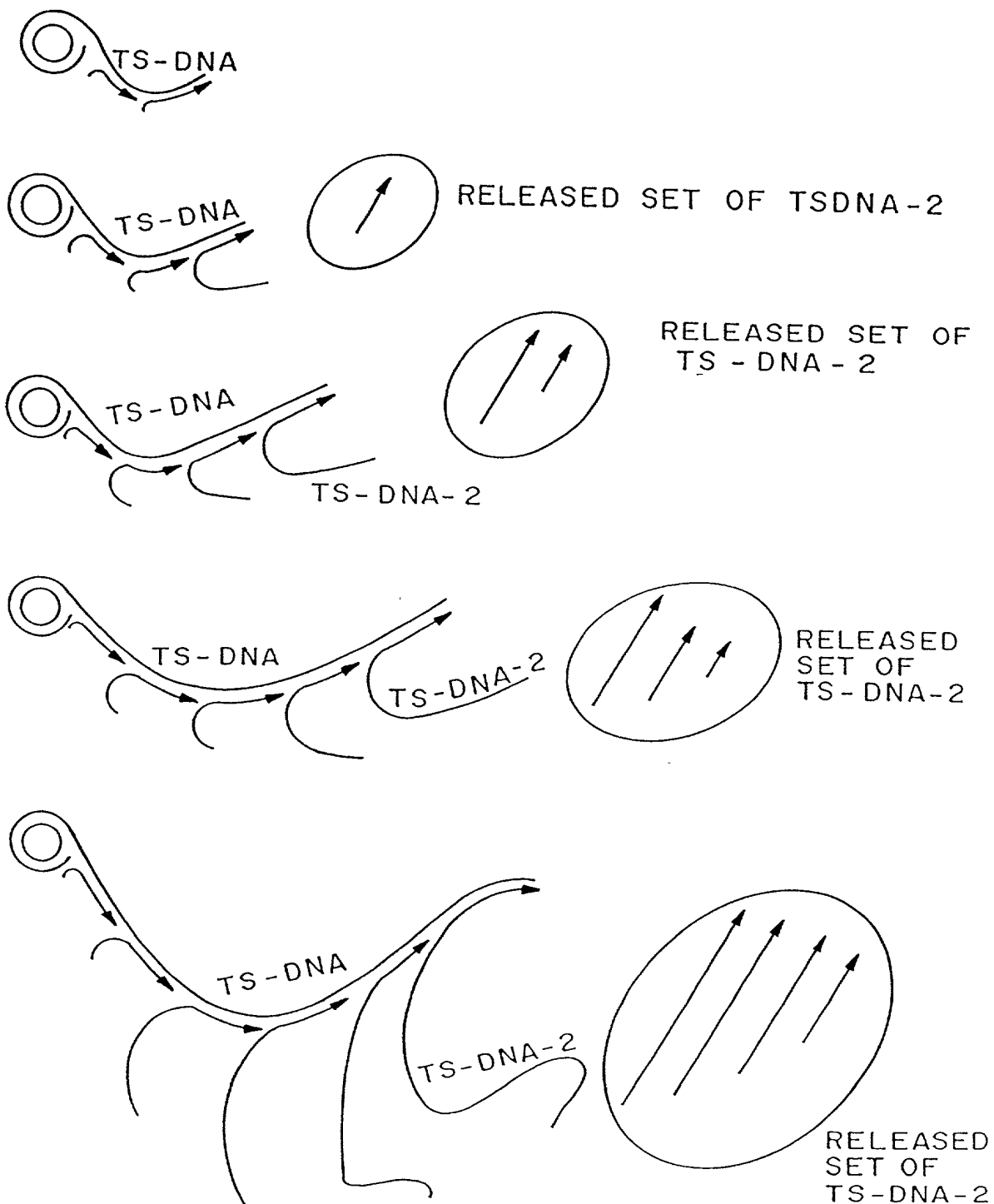


FIG. 14